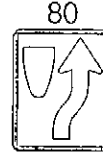
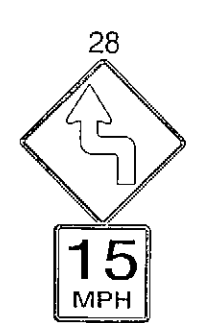


MD 414 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

EXISTING SIGNS TO BE REMOVED



24a,24b,25a,25b
St. Barnabas RD
D-3(1)
DUAL FACED
(VAR. x 16")



EXISTING SIGNS TO REMAIN

15 DO NOT BLOCK INTERSECTION

16,21 Leisure DR

17a,20b Leisure DR

17b,20a Leisure DR

18 D-3(1) DUAL FACED (VAR. x 16")

19 JCT 5 1/4 MILE

19 SPEED LIMIT 35

EXISTING SIGNALS TO BE REMOVED

12" 12"

12" 12"

PROPOSED SIGNALS

1,4 2,5 3,6 7

12" 12" 12" 12"

12,13 16" LED COUNTDOWN PEDESTRIAN SIGNAL

a,b,c,d PROPOSED VIDEO DETECTION

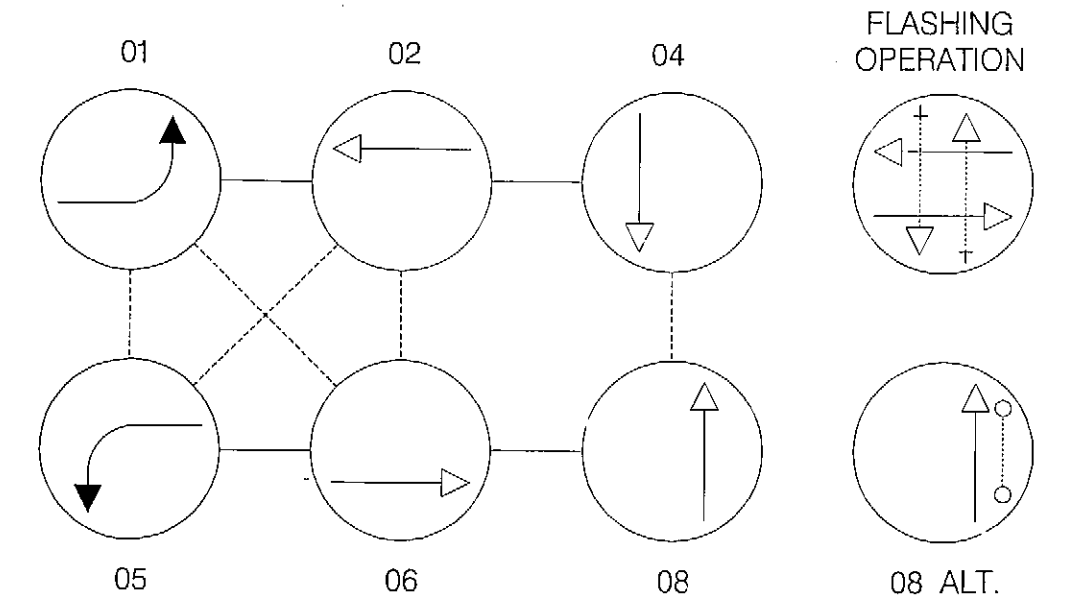
UTILITY HEIGHTS:
F.O./CABLE - 17'-4"
SECONDARY - 25'-0"
SECONDARY - 25'-8"
SECONDARY - 26'-4"

EXISTING VIDEO DETECTION

PROPOSED SIGNS

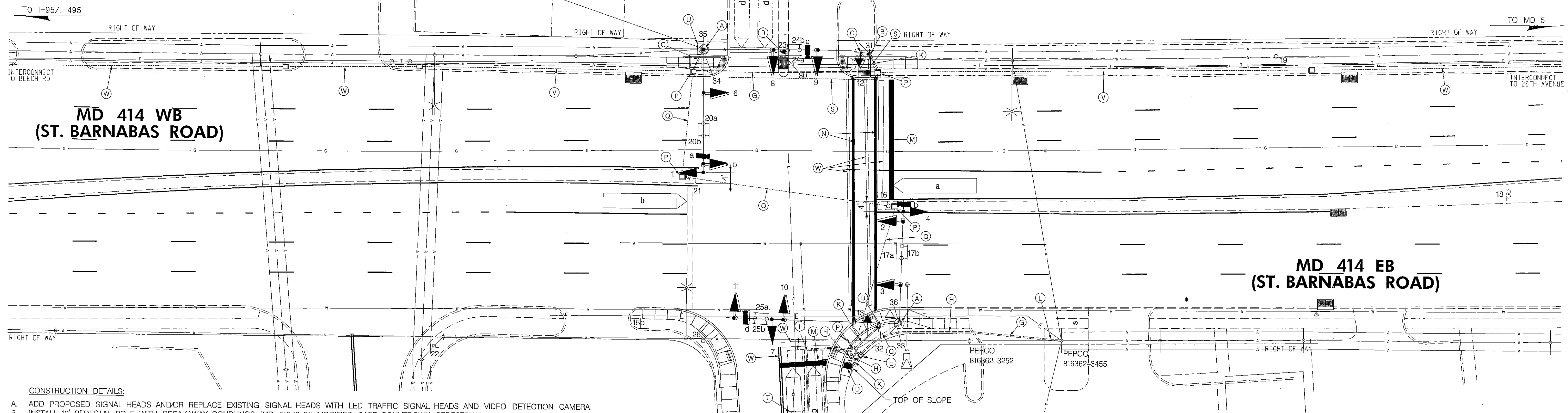


NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



- CONSTRUCTION DETAILS:
- ADD PROPOSED SIGNAL HEADS AND/OR REPLACE EXISTING SIGNAL HEADS WITH LED TRAFFIC SIGNAL HEADS AND VIDEO DETECTION CAMERA.
 - INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - REMOVE EXISTING PED POLE AND ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
 - INSTALL NEMA BASE-MOUNTED "S" CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 BENDS)
 - INSTALL METERED SERVICE PEDESTAL EMBEDDED.
 - INSTALL HANDHOLE.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE WITH 3 IN. RISER AND WEATHER HEAD.
 - INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
 - INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
 - USE EXISTING HANDHOLE.
 - USE EXISTING CONDUIT.
 - REMOVE EXISTING SIGN, INSTALL NEW SIGN ON 4"x4" WOOD POST BEHIND CUT-THRU.
 - CAP AND ABANDON EXISTING CONDUIT.
 - DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
 - REMOVE EXISTING SIGNAL CABINET, CONTROLLER AND ASSOCIATED EQUIPMENT.
 - USE EXISTING HANDHOLE AND CONDUIT, RUN NEW INTERCONNECT CABLE AND DIRECT TO THE NEW CABINET.
 - REMOVE EXISTING PAVEMENT MARKING (REMOVE TO PROPOSED STOP BAR.)

GENERAL NOTES:

- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THIS PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL CONTACT ED RODENHIZER AT THE SIGNAL SHOP (410) 787-7650 TO DELIVER APS EQUIPMENT FOR TESTING.
- THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

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Phone: 410-384-3827
www.brudis.com

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 414 (ST BARNABAS ROAD) AT LEISURE DRIVE
MARLOW HEIGHTS, MD

APPROVALS		REVISIONS	
TEAM LEADER		02/12 TMS-267 SHA NO. XX2245185	
ASST. DIV. CHIEF		LEFT TURN PHASING MD 414 TO E/P	
DIVISION CHIEF		APS/CPS AND SIDEWALK ADA COMPLIANT	
OFFICE DIRECTOR		RM 11-787	
		02/06 TMS-1623 SHA NO.	
		INSTALL VIDEO DETECTION	
		XXXX	

DESIGNED BY	N. LEARY	COUNTY	PRINCE GEORGE'S
DRAWN BY	S. BLOSS	LOGMILE	16041403.74
CHECKED BY	T. HANNAN	TMS NO.	L267
F.A.P. NO.		TOD NO.	

TS NO. 3795-B	DRAWING SG-1	OF 2	SHEET NO. 1 OF 3
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PLOTTED: Wednesday, June 06, 2012 AT 10:35 AM
FILE: P:\09-002 TEDD\Task 78 MD 414 @ Leisure Drive\Drawings\CADD\Working\PSG-P001_MD414@LEISURE.Dgn